

# INTERNATIONAL SEARCH REPORT

II International Application No  
PCT/GB2004/001259

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 B01D39/16 B01D27/02

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 B01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)  
EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99/56871 A (PALL CORP (US)) 11 November 1999 (1999-11-11) page 7, line 9 -page 9, line 10; figures 1,2	1-13
X	WO 03/022398 A (PROCTER & GAMBLE) 20 March 2003 (2003-03-20) page 7, paragraph 3; claim 1	1, 3, 4
X	WO 84/00901 A (ERIKSSON HANS) 15 March 1984 (1984-03-15) the whole document	1, 3
X	DE 196 05 431 A (NEFFGEN GMBH) 21 August 1997 (1997-08-21) the whole document	1, 3-6
	-/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \* & \* document member of the same patent family

Date of the actual completion of the international search

4 June 2004

Date of mailing of the international search report

14/06/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Hild, U

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2004/001259

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>GB 2 177 316 A (DEQUINRE LTD)  21 January 1987 (1987-01-21)  the whole document  -----</p>	1

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
PCT/GB2004/001259

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 9956871	A	11-11-1999	AU	3876599 A		23-11-1999
			EP	1077766 A1		28-02-2001
			WO	9956871 A1		11-11-1999
WO 03022398	A	20-03-2003	EP	1423177 A1		02-06-2004
			WO	03022398 A1		20-03-2003
			US	2003047504 A1		13-03-2003
WO 8400901	A	15-03-1984	AU	1828083 A		29-03-1984
			CA	1215913 A1		30-12-1986
			DK	181684 A		06-04-1984
			EP	0116576 A1		29-08-1984
			FI	841428 A ,B,		11-04-1984
			JP	59501399 T		09-08-1984
			NO	841639 A ,B,		25-04-1984
			SE	8204882 A		27-02-1984
			WO	8400901 A1		15-03-1984
DE 19605431	A	21-08-1997	DE	19605431 A1		21-08-1997
GB 2177316	A	21-01-1987	NONE			